

## INTERNATIONAL SEARCH REPORT

IB2004/003726

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C12N15/82 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C12N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SULLI CHIDANANDA ET AL: "Topology of Euglena chloroplast protein precursors within endoplasmic reticulum to Golgi to chloroplast transport vesicles"            JOURNAL OF BIOLOGICAL CHEMISTRY,            vol. 274, no. 1,            1 January 1999 (1999-01-01), pages            457-463, XP002319320            ISSN: 0021-9258            the whole document</p> <p>-----            -/--</p>	1-41

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

28 February 2005

Date of mailing of the international search report

30/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online!  3 April 1997 (1997-04-03), "Arabidopsis thaliana carbonic anhydrase (CAH1) mRNA, partial cds."  XP002319322  retrieved from EBI accession no.  EM_PRO:ATU73462  Database accession no. ATU73462  cited in the application  the whole document</p>	18-24, 26-31, 34-41
X	<p>DATABASE GENBANK  16 September 2003 (2003-09-16),  "Arabidopsis thaliana GTP-binding protein SAR1, putative (Atlg09180) mRNA, complete cds."  XP002319365  retrieved from ENTREZ NUCLEOTIDES  Database accession no. NM_100788  cited in the application  sequence data</p>	18-25, 27-31, 34-41
L	<p>DATABASE GENBANK  17 February 2004 (2004-02-17),  "Arabidopsis thaliana prohibitin, putative (Atlg03860) mRNA, complete cds."  XP002319366  retrieved from ENTREZ NUCLEOTIDES  Database accession no. NM_202027  sequence data  L:priority</p>	18-25, 27-31, 34-41
A	<p>US 6 130 366 A (HERRERA-ESTRELLA ET AL)  10 October 2000 (2000-10-10)</p>	
A	<p>KEEGSTRA KENNETH ET AL: "Protein import and routing systems of chloroplasts"  PLANT CELL,  vol. 11, no. 4, April 1999 (1999-04),  pages 557-570, XP002319321  ISSN: 1040-4651  cited in the application  the whole document</p>	
A	<p>SAMUELSSON GORAN ET AL: "Chloroplastic carbonic anhydrases."  REGULATION OF PHOTOSYNTHESIS KLUWER  ACADEMIC PUBLISHERS, 3300 AA, P. O. BOX  17, DORDRECHT, NETHERLANDS SERIES :  ADVANCES IN PHOTOSYNTHESIS AND RESPIRATION  (ISSN 1572-0233 (ISSN PRINT)), 2001, pages  313-320, XP008043221  ISSN: 0-7923-6332-9  the whole document  page 317, column 1, paragraph 2  page 318, column 2, paragraph 2</p>	

## INTERNATIONAL SEARCH REPORT

IB2004/003726

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6130366	A	10-10-2000	US 5728925 A	17-03-1998
			AT 93542 T	15-09-1993
			AU 591087 B2	30-11-1989
			AU 5166485 A	17-07-1986
			DE 3587548 D1	30-09-1993
			DE 3587548 T2	23-12-1993
			EP 0189707 A2	06-08-1986
			IL 77466 A	21-11-1991
			JP 1995099 C	22-11-1995
			JP 7028733 B	05-04-1995
			JP 61224990 A	06-10-1986
			US 6063601 A	16-05-2000
			US 5717084 A	10-02-1998

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